

**S U M M A R Y**

The invention concerns a sleeve with a multiple layer structure for printing presses with king rolls configured as pneumatic cylinders; in particular a sleeve for the flexographic printing process, with an inner tube of reversibly expandable plastic material, whose internal diameter is smaller than the king roll diameter, with an elastic compressible intermediate layer that accommodates the radial expansion of the inner tube during installation, and with an outer layer. The invention concerns also a manufacture procedure for sleeves of this type. The sleeve in accordance with the invention is characterised by a support structure in the sleeve construction between inner tube and outer layer, which completely penetrates the compressible intermediate layer in at least one location in the radial direction and stabilises the outer layer relative to the inner tube in the circumferential direction and/or the radial direction. As a result of the partial bridging of the compressible intermediate layer this is offloaded from forces in the direction of rotation. In this manner the possibility that vibration stripes can appear in the print image is avoided.